

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

S-E-C-R-E-T

50X1-HUM

COUNTRY East Germany

REPORT

SUBJECT Automobile Production in East Germany

DATE DISTR.

31 MAY 1980

NO. PAGES 1

REFERENCES RD

DATE OF INFO.

50X1-HUM

PLACE & DATE ACQ.

50X1-HUM

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

report on the

✓ types of vehicles produced and planned by the East German automobile industry. The survey contains figures on 1945 to 1959 production and on export quotas for 1945 - 1958. A tabulation of automobile prices - cost, factory to wholesaler, and retail price for P 70, P 240, the Wartburg limousine and cabriolet - is undated.

50X1-HUM

50X1-HUM

S-E-C-R-E-T

STATE	X	ARMY	X	NAVY	X	AIR	X	NSA	X	FBI							
(Note: Washington distribution indicated by "X"; Field distribution by "#".)																	

INFORMATION REPORT INFORMATION REPORT



The Enterprises of VVB Automobilbau (Main Administration of Automobile Construction)

VEB Sachsenring Automobilwerke (Sachsenring Automobile Works), Zwickau.

About 8,100 employees. Production: During the past few weeks there have been delivery difficulties with the TRABANT passenger car because the plant which furnishes the valve-lifter rods was behind in deliveries. Passenger car P 70. Diesel trucks S 4000-1, 4 tons. Special vehicles S 4000-1(three-way dump trucks, dump trucks, panel and pickup trucks, water tank trucks, vehicles for construction troops, fire trucks, tractors). Diesel engines of type EM 4; spare parts for motor vehicles.

VEB Robur-Werke (Robur Works), Zittau. More than 4,330 employees.

Production: Garant trucks, with diesel or Otto engines. Two-ton flat-bed trucks; 1.65-ton pickups, 1.6-ton panel trucks; combination truck and passenger cars, ambulances for 2-4 persons, busses with 14-18 seats

50X1-HUM

aircooled engines of 6.5 to 60 horsepower for vehicles and stationary use; single-cylinder, four-cycle diesel engines, type GD 1, developing 6.5 horsepower at 1,500 rpm, and 8.5 horsepower at 2,000 rpm. Two-cylinder four-cycle engines, type GD 2, 13 horsepower at 1,500 rpm, 17 horsepower at 2,000 rpm. Three-cylinder four-cycle engines, type GD 3, 19.5 horsepower at 1,500 rpm, 25.5 horsepower at 2,000 rpm. Four-cylinder, four-cycle diesel engines, type Garant 32. Four-cylinder four-cycle Otto engines, type Garant 30 K.



50X1-HUM

SECRET

SECRET

50X1-HUM

VEB Fahrzeug- und Gera^{ft}tewerk Simson ("Simson" Vehicle and Equipment Plant), Suhl.
5,000 employees

Production: Motorcycles, type Simson 425, and Simson cross-country motorcycles.
Motor bicycles [small motorcycles], type SR 2; small scooters, KR 50. Sprocket
gears for sports and racing bicycles, and pedals for same. Bowden brakes;
nozzles and parts for fuel pumps; motor-vehicle spare parts; hunting guns.

VEB Barkas-Werke (Barkas Works), Karl-Marx-Stadt. 4,100 employees.

Production: Three-quarter-ton transport vehicles, type Barkas V 901/2, with
two-cycle, three-cylinder engines of 900 cm³ piston displacement, made as
flat-bed trucks, panel trucks, combination cars, garbage trucks, busses
with 8 seats [sic], hearses, special vehicles. Two-cycle internal-combustion
engines for passenger cars of types Trabant and P 70, and for stationary use;
4-28 horsepower fuel pumps for diesel motors. Spare parts for motor vehicles,
tractors, and fuel pumps.

VEB Kraftfahrzeugwerk (Automotive Works) "Ernst Grube", Werdau.

About 4,000 employees.

Production: Diesel trucks, type H 6. Special vehicles, type G 5; busses,
type H 6 B/L; drop-forged and hammer-forged products. Spare parts for
types G 5, G 6, and H 6 B.

VEB Motorradwerk (Motorcycle Plant) ZSCHOPAU. 3,000 employees.

Production: Motorcycles, type MZ 125/2 and MZ 125/3, type MZ ES 175, type
MZ ES 250 with and without sidecar. Cross-country sports models, 175 cm³
and 250 cm³ motor scooters.

VEB Fahrzeugwerk (Vehicle Plant) WALTERSHAUSEN. 1,350 employees.

Production: DK 4 diesel flat-bed fork trucks, DK 4 dump trucks, DK 5 dump-truck

SECRET

50X1-HUM

SECRET

trailers for tractors, DK 4H trucks with dump bodies. Various DK [?] diesel fork truck trailers with special bodies: TK-3, TK-5, and HK-5(L) dump-truck trailers for tractors; trailers for trucks: HK-3 with a 3-way, and HK-5 with a 2-way, dump body; E-5 ordinary truck trailers with or without Hamburg tires. Couplings for truck or tractor trailers with or without Hamburg tires. Couplings for truck or tractor trailers, ~~crane~~ truck couplings and brake couplings.

VEB Fahrradwerk (Bicycle Plant) Elite-Diamant, Karl-Marx-Stadt. More than 1,800 employees.

Production: Men's and ladies' sports and racing bicycles, and spare parts for same. Hand and motor-operated knitting machines.

VEB Mifa-Werk ("Mifa" Automotive Works) Sangershausen. About 930 employees.

Production: men's and ladies' sports bicycles; 20" and 24" children's bicycles, and tricycles. Parts: frames, forks, metal guards, rims, handle bars, light metal pumps for racing and sports bicycles.

VEB Moeve-Werk ([Automobile and Tractor] Plant), Muelhausen. 1,650 employees.

Production: Bicycles for men, ladies, children, messengers, and performers. Frames, forks, handlebars, rim [-s;?] saddles for bicycles, motor bicycles, motorcycles, and model KR 50 scooters. Foot rests for motorcycles, jacks, steering arms for trucks and tractors, brake pressure hoses (armored hoses) for trucks.

VEB Dieselmotorenwerk (Diesel Engine Works), Schoenebeck/Elbe. More than 1,200 employees.

50X1-HUM

Production: Diesel motors for every purpose

diesel engines for motor vehicles: 6-cylinder, 120 and 150

SECRET

SECRET

horsepower, water-cooled; and 3.4 [sic; 3-, 4-] and 6-cylinder, 45-150 horsepower, air-cooled. Stationary diesel motors: 2-6 cylinder developing 20-120 horsepower, both water- and air-cooled. Water-swirling brakes for measuring the wattage of motors.

VEB Kraftfahrzeugwerke (Automotive Works) "Joliot-Curie," Leipzig. 2,060 employees.

Production: Gears for trucks and tractors, and parts for same.

VEB Lenkgetriebe-Werk (Steering Gear Plant) Triptis, Thuringen. 476 employees.

Production: Steering gear, worm-gear drive systems for passenger cars, trucks, tractors, and busses and O-busses [sic]. Parts for steering gear, including parts for steering gear of old models of trucks.

VEB Gelenkwellenwerk (Drive-Shaft Plant) Stadtilm, Thuringen. 850 employees.

Production: Driveshafts for passenger cars, trucks, and railroad cars and agricultural machines. Flexible driveshafts for testing benches and for power transmission in conveyers; transport and hoisting equipment, and torsion bars for trucks.

VEB Fahrzeuggetriebewerke (Automobile Gear Works) "Wilhelm Friedel," Karl-Marx-Stadt.

1,000 employees.

Production: Complete transmissions for motor vehicles; parts.

VEB Karosseriewerke (Body Works), Halle. 1,500 employees.

Production: Bodies for combination cars Wartburg 311/9; EMW 340/7; limousines EMW 340/2; ambulances EMW 340/4; Robur Garant-type panel trucks; Robur Garant-type mail trucks; Robur Garant-type trucks; and Sachsenring refrigerated and pickup trucks. KOM-trailers W 701; spare parts for motor vehicles.

VEB-Karosseriewerke (Body Works), Dresden. 1,480 employees.

SECRET

Production: Bodies for passenger cars of the Wartburg and P-70 types; spare bodies for utility vehicles, spare parts for bodies.

VEB Karosseriewerke (Body Works), Meerane/Sa. 1,265 employees.

Production: Bodies for passenger cars and trucks of various types, flat-bed trucks H 3 A and S 4000. Operators' cabs H 3 A, S4000, G 5, and H 6.

Tractor seats in various styles.

VEB Fahrzeugwerk (Vehicle Plant), Wilsdruff/Sa. Almost 300 employees.

Production: Trailers for 3-ton trucks and 4-ton tractors. Dump trucks with rolling panel sides, about 4.7 tons. Liquid-fertilizer trailers, about 2,800-liter capacity. Cabin trailers, 6 meters in length, for

50X1-HUM

moving vans. Sixteen-passenger automobile work sheds on wheels.

50X1-HUM

Bodies for fertilizer cars S 4000-1, refuse trucks S 4000-1, cattle trucks S 4000-1, trailer houses.

VEB Blechverformungswerk (Plate-Working Plant), Leipzig. 1,270 employees

Production: Trailers for H 4 tractors, single-axle 1.5-1.8 ton trailers, trailers for 3-ton trucks; mufflers for trucks and passenger cars, motorcycles, motor bicycles, and tractors. Gasoline tanks for trucks, passenger cars, and tractors. Air filters for trucks and tractors. Air filters for motorcycles. Oil filters for trucks and tractors. Radiators for trucks, passenger cars, and tractors, and cooling systems for stationary units. Screw-on caps for gasoline and oil containers, and prefabricated metal parts for the truck and tractor industry.

VEB Kraftfahrzeug-Blechverformungswerk (Automotive Plate-Working Plant), Bernsbach/Erzgebirge. 1,100 employees.

SECRET

Production: Sheet-metal parts: fenders, doors, body sides, hoods, and similar unfinished body parts.

VEB Fahrzeugzubehoerwerke (Automobile Accessories Plant), Gera. 1,550 employees.

Production: Accessories for rail cars. Window-winding mechanisms, window arms. Accessories and spare parts for motor vehicles. Roller bearings for one- and two-section sliding doors. Various styles of door locks, with accessories, for trucks, with and without automatic operation. Door hinges, with or without bores [sic]. Sliding roofs for F-9 Wartburg and busses. Sliding roof fittings for P 70. Window frames in various styles. Door window frames. Frames for swivel ventilators. Various styles of [car] ventilators. Piston rings for motor vehicles and machinery. Tires, motorcycle [tire] rims, disc wheels for passenger cars, trucks, and trailers; disc and spoke wheels for tractors and agricultural machines. Side and bottom rings for disc wheels, tire levers. Ball and socket joint rim [?] 3 tons.

VEB Einspritzwerkumpfenwerk (Fuel Injection Pump Works), Wolfspitz/Vogtland.
660 employees.

Production: Nozzles and parts for fuel pumps for motor vehicles and airplane engines.

VEB Stosssdaempferwerk (Shock Absorber Plant), Hartha/Sa. 440 employees.

Production: Lever arms and telescopic shock absorbers for passenger cars and trucks.

VEB Metallwerke (Metal Works), Harzgerode. 500 employees.

Production: Pistons for internal combustion engines produced by sand and chill casting in aluminum molds. Wooden and metal patterns, chill molds.

SECRET

VEB Kraftfahrzeugzubehoerwerke (Automobile Accessories Plant), Dresden.

1,200 employees.

Production: Piston rings for motor vehicles, machinery, railroads, etc.

Gaskets and rims, and half-casings and gaskets for railroads and machinery.

Iron castings with high perlite content. Fuel nozzle holders, 45/60 and 60/60, for regular^{use} and for tropical export. Pressure valves 201-30, 50/1

64/1, and 72/1. Pressure valves 201/30 U 112/3 EP 451 E. Suction valves EP 451 E. Cam wheels, swivels. 50X1-HUM

VEB Zentrifugal (Centrifuge Plant), Radebeul 2. More than 200 employees.

Production: Governors for stationary diesel motors up to 1,500 horsepower.

Otto engines, steam engines, and turbines. Centrifugal contact breakers for conveyers and water turbines.

VEB Reichenbacher Naben- und Kupplungswerke (Hub and Clutch Plant in Reichenbach) "Renak", Reichenbach/Vogtld. 2,665 employees.

Production: Bicycle hubs, types 100 and 342. "Renak" free wheeling hubs: front wheel hubs for sports bicycles, rear wheel hubs for sports bicycles with one- and 3-way free wheeling. Rear wheel hubs for sports roadsters with or without gear wheel rims, with wing nuts, with or without springs. Front and rear wheel hubs for scooters and small KR 50 scooters. Three- and 4-speed transmissions, 4-way free-wheeling gear rims, pedals for children's bicycles, clutches for motor vehicles, driving plates, snubbers, compression rings, throwout bearings.

VEB Kettenfabrik (Chain Plant), Barchfeld/Werra. About 900 employees.

Production: Driving chains for motor vehicles, machines, spokes for bicycles and motorcycles, nipples for motorcycles and motor vehicles.

SECRET

VEB Erfurter Gesenkschmiede (Drop-Forge Plant) "Rosa Luxemburg," Erfurt.

160 employees.

Production: Drop-forged parts of up to 5 kilograms.

VEB Rossweiner Achsen-, Federn-, und Schmiedewerke (Axle, Spring, and Forging Works) "Hermann Matern", Rosswein/Sa. 1,750 employees.

Production: Roller-bearing axles for trucks and tractor trailers. Axles with spring suspension for single-axle trailers, leaf springs for road vehicles, drop-forged parts of up to 50 kilograms, hand-forged parts of up to 50 kilograms, wheels for wheelbarrows.

VEB Berliner Vergaser-Fabrik (Carburetor Works), Berlin O 112. 865 employees.

Production: Carburetors for passenger cars, trucks, motorcycles, scooters, and motor bicycles. Auxiliary motors for bicycles and outboard motors for boats. Quick-action carburetors for stationary engines or fire-quenching apparatus for manual and pilot operation, and for other special purposes.

Special carburetors for motors for boats . Car-buretors for diesel tractors. Fuel feed pumps for tamping, hoisting, and low-pressure operations. Fuel filters for diesel motors, carburetors, and fuel pumps. Overflow valves for diesel fuel filters, radial packings DIN 6503, membrane sleeve packings for engines, agricultural machines, motor vehicles, and for use in shipbuilding.

50X1-HUM

VEB Wissenschaftlich-Technisches Buero fuer Kraftmotorenbau (Scientific-Technical Office for Electrical Machinery), Berlin-Adlershof. 470 employees.

Development and manufacture: Testing plant for single and multiple-cylinder motors (diesel and Otto), and for static and dynamic examination of vehicles and parts. Electronic and other measuring devices for the examination of

SECRET

of internal-combustion engines.

Special testing installations for research on internal-combustion engines.

Optical and mechanical wheel and axle control adjustment apparatus.

Light adjustment systems.

Also: Testing of motors, static and dynamic examination of technical construction elements. Research on current special problems. Planning and equipping complete testing plants, for the USSR also.

VEB Zentrale Entwicklung und Konstruktion fuer den Fahrzeugbau (Office for Development and Designing of Vehicle Construction, Karl-Marx-Stadt)

31 employees, about 75 percent of whom are engineers.

50X1-HUM

Research and development.

VEB Projektierung Fahrzeug- und Landmaschinenbau (Planning Office for Vehicles and Agricultural Machinery), Berlin C 2. 81 employees.

Planning.

1. Commercial Enterprises:

VEH Imperhandel, Berlin Oberschoeneweide. 149 employees.

Importation of spare parts from the West.

VEH Automot, Heidenau/Sa. 250 employees

Export and import of vehicles to and from the people's democracies and the USSR.

2. Outlook

The current reorganization of Volkseigene Betriebe Automobilbau involves specialization in certain types.

SECRET

SECRET

Motorcycles: In the future, VEB Fahrzeug- und Geraetewerk Simson **SUHL** will produce only motorcycles 425 S, motor bicycles SR 2, and small scooters KR 50. These types are to be improved. VEB Motorradwerk **ZSCHOPAU**, in future, is to specialize in the new model RT 125-3 with 4 gears, and ES types 175 and 250.

Production of motorcycles with over 250-cm³ displacement is to be discontinued.. For the last 2 years, the two motorcycle factories have both been producing a 350-cm³ motorcycle for military use: the VEB Simson Suhl in a 4-cycle, and the VEB Motorraedwerk Zschopau in a 2-cycle model. The Ministry of National Defense has tested both machines under severest conditions and found them satisfactory. No decision has been reached yet as to whether both machines will be used, or whether one of them is to be given preference. When this has been decided, series production will be started.

Passenger Cars:

In the future, only passenger cars with 2-cycle engines and front wheel drive will be manufactured in the GDR: the 3-cylinder Wartburg at the VEB Automobilwerk Eisenach, and the 2-cylinder Trabant at the VEB Sachsenring Automobilwerk, Zwickau. From 1960, the Trabant will be equipped with synchronized gears and a 22-horsepower, instead of the present 18-horsepower engine. For the present, there will be no changes in the Wartburg passenger car either, not even in the body; but, in 1961, it will be built with a "suspended" body with mechanical spring suspension and worm-gear steering.

SECRET

SECRETTrucks:

VEB Barkas-Werke produces trucks up to one-ton capacity, small trucks, small busses, and ambulances. When the supply of the present model is exhausted, the factory will market a new design which will be equipped with a larger (1,000-cm³) Wartburg motor.

VEB Robur-Werke's production program remains unchanged. A special cross-country version with four-wheel drive will be developed for military use.

No truck or bus of any type over 2.5-ton capacity will be produced in the GDR after 1960. According to the decision of CEMA, they are to be produced in other Eastern Bloc states. All the GDR's requirements for vehicles of this type, and for 4-cycle passenger cars, are to be covered by imports. The USSR is to be the sole supplier of heavy trucks for the National People's Army.

<u>Production of Trucks</u>	<u>1945-1957</u>	<u>1958</u>	<u>1959</u>
VEB Sachsenring, Zwickau:			
H 3 and S 4000	29,689	4,045	
S 4000			3,000
Roburg:			
Trucks/Sanka/Kom. [combination]	29,625	6,434	5,930
Ernst Grube:			
H6	6,896	515	650
G5	3,109	1,462	1,002
H6B/Kom.	444	327	400

SECRET

SECRET

50X1-HUM

Production of Trucks

Barkas:

Trucks/Sanka/Kom.	15,302	3,583	3,350
Fork Trucks (produced in Fahrzeugwerk, Waltershausen)	- - -	1,500	1,505

Reorganization of these plants will result in specialization.

Production of Passenger Cars

BMW 321/327/340	21,391		
AWZ: F8 and P70	46,820	11,466	
AWZ: P70 (supply will be exhausted in the first half of 1959)			4,800
AWE: F9	40,278	- - -	
P311 Wartburg	37,670	24,326	28,700

Sachsenring:

P240	753	510	100
P50	54	1,730	20,000

Barkas:

P 2M	1,680	381
------	-------	-----

Export Quotas for

F 8	10,571
P 50	- - -
P 70	8,305
F 9	19,535
P 311	26,866
P 240	- - -

- 12 -

SECRET

SECRETExport Quotas for 1945-1958

Barkas	7,469
Garant	13,229
H 3/S 4000	9,982
P 2 M	- - -
G 5/H 6	4,048

<u>Automobile Prices:</u>	<u>Factory Price</u>	<u>Factory Price to Wholesaler</u>	<u>Retail Price</u>
P 70	6,000.00	8,325.00	9,250.00
P 70 with sliding roof	6,320.00	8,685.00	9,650.00
P 240	20,450.00	24,750.00	27,500.00
Wartburg Limousine	7,080.00	12,230.00	14,700.00
Cabriolet	9,650.00	14,733.00	16,370.00

SECRET